

CLAIMS

What is claimed is:

1. A method for testing a network protocol comprising:
executing communication between a plurality of devices using said network protocol;
receiving a command to modify one of a plurality of protocols in a protocol stack of said network protocol; and
performing said modification on said one of said plurality of protocols in said protocol stack.
2. The method of claim 1 wherein said command is received in interpreted code.
3. The method of claim 1 further comprising:
determining said one of said plurality of protocols in said stack to modify responsive to receiving said command.
4. The method of claim 1 further comprising:
determining whether said command is adding a message to said one of said plurality of protocols; and
adding said message to said one of said plurality of protocols.

5. The method of claim 1 further comprising:
determining whether said command is to remove a message from
said one of said plurality of protocols; and
removing said message from said protocol.
6. The method of claim 1 further comprising:
determining whether said command is to modify an existing message
in said one of said plurality of protocols;
removing said existing message from said one of said plurality of
protocols; and
adding a new message to said one of said plurality of protocols
including said existing message with modifications in said command.
7. The method of claim 1 further comprising:
determining whether said command is to modify a state machine of
said protocol; and
modifying said state machine of said one of said plurality of
protocols responsive to said command.
8. An apparatus for testing a network protocol comprising:
means for executing communication between a plurality of devices
using said network protocol;

means for receiving a command to modify one of a plurality of protocols in a protocol stack of said network protocol; and

means for performing said modification on said one of said plurality of protocols in said protocol stack.

9. The apparatus of claim 8 wherein said command is received in interpreted code.

10. The apparatus of claim 8 further comprising:

means for determining said one of said plurality of protocols in said stack to modify responsive to receiving said command.

11. The apparatus of claim 8 further comprising:

means for determining whether said command is adding a message to said one of said plurality of protocols;

means for adding said message to said one of said plurality of protocols.

12. The apparatus of claim 8 further comprising:

means for determining whether said command is to remove a message from said one of said plurality of protocols; and

means for removing said message from said protocol.

13. The apparatus of claim 8 further comprising:

means for determining whether said command is to modify an existing message in said one of said plurality of protocols;

means for removing said existing message from said one of said plurality of protocols; and

means for adding a new message to said one of said plurality of protocols including said existing message with modifications in said command.

14. The apparatus of claim 8 further comprising:

means for determining whether said command is to modify a state machine of said protocol; and

means for modifying said state machine of said one of said plurality of protocols responsive to said command.

15. A computer readable medium carrying one or more instructions for testing a network protocol, the one more instructions including instructions which executed by one or more processors, cause the one or more processors to perform the method comprising:

executing communication between a plurality of devices using said network protocol;

receiving a command to modify one of a plurality of protocols in a protocol stack of said network protocol; and

performing said modification on said one of said plurality of protocols in said protocol stack.

16. The medium of claim 15 wherein said command is received in interpreted code.

17. The medium of claim 15 wherein said method further comprises:
determining said one of said plurality of protocols in said stack to modify responsive to receiving said command.

18. The medium of claim 15 wherein said method further comprises:
determining whether said command is adding a message to said one of said plurality of protocols;
adding said message to said one of said plurality of protocols.

19. The medium of claim 15 wherein said method further comprises:
determining whether said command is to remove a message from said one of said plurality of protocols; and
removing said message from said protocol.

20. The medium of claim 15 wherein said method further comprises:
determining whether said command is to modify an existing message
in said one of said plurality of protocols;
removing said existing message from said one of said plurality of
protocols; and
adding a new message to said one of said plurality of protocols
including said existing message with modifications in said command.

21. The medium of claim 15 wherein said method further comprises:
determining whether said command is to modify a state machine of
said protocol; and
modifying said state machine of said one of said plurality of
protocols responsive to said command.

22. An apparatus for testing a network protocol comprising:
circuitry configured to execute communication between a plurality
of devices using said network protocol;
circuitry configured to receive a command to modify one of a
plurality of protocols in a protocol stack of said network protocol; and
circuitry configured to perform said modification on said one of said
plurality of protocols in said protocol stack.

23. The apparatus of claim 22 wherein said command is received in interpreted code.

24. The apparatus of claim 22 further comprising:
circuitry configured to determine said one of said plurality of protocols in said stack to modify responsive to receiving said command.

25. The apparatus of claim 22 further comprising:
circuitry configured to determine whether said command is adding a message to said one of said plurality of protocols; and
circuitry configured to add said message to said one of said plurality of protocols.

26. The apparatus of claim 22 further comprising:
circuitry configured to determine whether said command is to remove a message from said one of said plurality of protocols; and
circuitry configured to remove said message from said protocol.

27. The apparatus of claim 22 further comprising:
circuitry configured to determine whether said command is to modify an existing message in said one of said plurality of protocols;

circuitry configured to remove said existing message from said one of said plurality of protocols; and

circuitry configured to add a new message to said one of said plurality of protocols including said existing message with modifications in said command.

28. The apparatus of claim 22 further comprising:

circuitry configured to determine whether said command is to modify a state machine of said protocol; and

circuitry configured to modify said state machine of said one of said plurality of protocols responsive to said command.